

Title (en)

SIMPLY PACKAGED STYLUS-TYPE SYRINGE NEEDLE AND USE METHOD THEREFOR

Title (de)

EINFACH VERPACKTE SPRITZENNADEL VOM STIFTTYP UND VERWENDUNGSVERFAHREN DAVON

Title (fr)

AIGUILLE DE SERINGUE DE TYPE STYLET EMBALLÉE SIMPLEMENT ET SON PROCÉDÉ D'UTILISATION

Publication

EP 3239063 B1 20200212 (EN)

Application

EP 15871415 A 20151223

Priority

- CN 201410808498 A 20141224
- CN 2015000922 W 20151223

Abstract (en)

[origin: EP3239063A1] A simply packaged stylus-type syringe needle and a use method therefor. The stylus-type syringe needle comprises: at least one needle body (9) and at least one packaging body used for packaging the needle body (9), where the needle body (9) comprises a needle base, a needle shaft (7), and an inner protective cap (6) that are sequentially connected, the packaging body comprises a packaging cup (10) and a piece of sealing paper (13), the packaging cup (10) is provided with at least one cavity that mates with the needle body (9), at least one axial protrusion (11) is provided around the outer circumference of the needle base, at least one groove (12) that is mated and connected with the axial protrusion (11) is provided on the inner wall of the cavity, the upper edge of the cavity is arranged as a plane, and the sealing paper (13) is fitted and connected with the plane. The needle has an increased adhesion area between the sealing paper and the packaging cup, thereby further simplifying a sealing process, increasing the reliability of a sterile seal, also obviating the need for producing an outer protective cap, thus reducing product costs, and is particularly suitable for mass production.

IPC 8 full level

B65B 69/00 (2006.01); **A61M 5/00** (2006.01)

CPC (source: CN EP US)

A61M 5/002 (2013.01 - EP US); **B65B 7/164** (2013.01 - EP); **B65B 61/18** (2013.01 - EP); **B65B 69/00** (2013.01 - CN US); **A61M 5/31** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3239063 A1 20171101; **EP 3239063 A4 20180829**; **EP 3239063 B1 20200212**; CN 104528082 A 20150422; CN 104528082 B 20161130; US 11292630 B2 20220405; US 2017349315 A1 20171207; WO 2016101336 A1 20160630

DOCDB simple family (application)

EP 15871415 A 20151223; CN 201410808498 A 20141224; CN 2015000922 W 20151223; US 201515539133 A 20151223